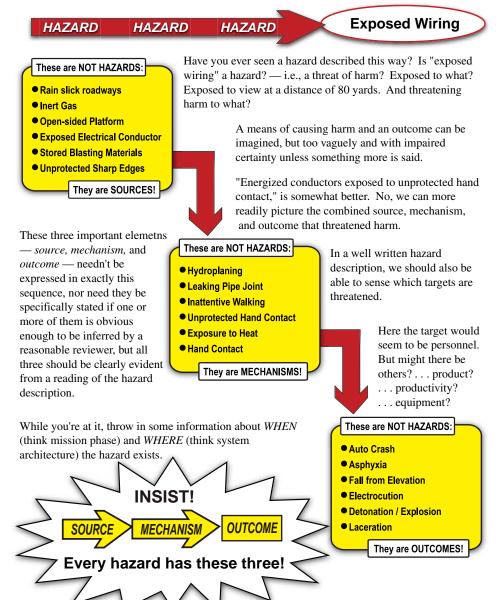


Do your Hazard Descriptions REALLY describe the Hazards?

. . . a simple "sounds-bad" phrase won't quite do the job!

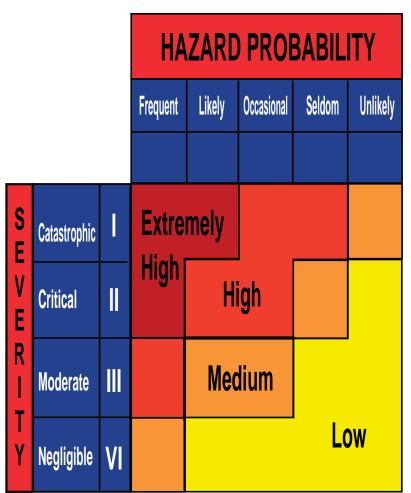
Tighter precision is needed!



If the reviewer/interpreter can't understand the hazard *description*, there's a good chance the analyst didn't understand the *hazard*! Describe hazards using a simple paradigm as a model. Make it simple, but make it *complete*!

BOTTOM LINE

Initial and Residual Risk



Severity vs. Probability

POV Risk Assessment Inspection List

will call the briefer for approval of significant changes made to this route and assessment. ≥ 38 Company CDR I verify that this is true and correct for the trip planned and: ASSISTANT DRIVER 2) @ Denotes automatic medium risk when driving after work day. LDR ital is a higher risk. Proper Approval Authority must be utilized COMPUTATIONS RISK VALUES will wear my seat belt or appropriate riding attire 2 PLT Briefer Sign/ Date Soldier Sign/Date 3) ** Requires Company Cdr approval. ONE WAY MILES . Environmental Factor . Fatigue Assessment will not drink and drive. DRIVERS INITIALS EVALUATION 2. Previous wrecks TOTAL= >2 Drivers Approval 0. Additional Risk Authority 2. Trip Planning Motorcycle Assistant Visibility < 2 Years since last fears since last TRIP DESTINATION × 3 < 3 Years riding exper 44 4 4 "Sum of all categories *Sum of all categories 10. ADDITIONAL RISK FACTORS 10. TOTAL* 8. TOTAL 9. TOTAL Sum of All ENVIRONMENTAL FACTORS recast Thunderstorms Along Route weling After 0001hrs - Before 0400 emperature < 40 or >90 Degrees Day 9 Ϋ́ >5 1. MOTORCYCLE 2. PRIOR WRECKS . PRIOR VIOLAT. Safe Rider Course Vet Road Conditions oute is 2 Lane Road 9. COMPLEXITY Trip Details Drive Time > 4 hrs Assistant Driver size Sports Car yiday Weekend # At Fault Multiple Vehicles Vithin 12 months Vind > 20 MPH hildren < 5 yrs Total SOLDIERS NAME 3. FATIGUE ASSESSMENT 24 hrs prior to trip Years of driving experience ASSISTANT Years of driving experience Years in service ≥12 Hrs 10-12Hrs +2 for trip started after duty >2 Hrs Adequate Highest of expected and forecast conditions < 10 Fog Planning Time 1. VALUE 2. VALUE 3. VALUE 5. VALUE ≥10 ≥10 6. VALUE Clear 7. VALUE 윘 . TRIP PLANNING DATE OF TRIP VISIBILITY . COMMAND Planned Route Rest/Off-time DRIVER trent Unit Work DRIVER - E4

* Attach Route Plan and Itinerary www.mapquest.com Leaders verify POV inspection is on-file and current.

 Mission / Task Saber Spear Gunner 		gin DTG: 060001MAR0 d DTG: UMC08APR08	Date Prepared: 12 FEB 08	4. Prepared By (Ran CW4 Jones, BN Sa	k, Last Name, Duty fety Officer	Position)
5. Task	6. Identify Haza	rds 7. Assess Hazards	8. Develo	p Controls	9.Determine Residual Risk	10. Implement Controls
Move to and Occupy Range/ Move to Garrison at EOM	AMV/ACV Acciduring movement resulting in disabl vehicle and injury personnel	Catastrophic & Seldom	bad conditions *TCPs w/warming triang *Leaders conduct Conv with speed finterval/catcl *Use ground guides per conditions call for use. *Adjust speed to convoy *Disabled vehicle marke traffic *Ensure vehicles remain *Rapid medical treatmer line MEDEVAC availab frequency. *Medics or CLS in conv *Lead/trail vehicle RAW *TAC/TOC prepared to *TAC/TOC prepared to	te with commo to warn of thes/ red chemlites oy/Movement briefings	MODERATE Catastrophic & Unlikely	*Convoy CDRs brief *PMCS-TC/BC/VC verify *PCI of vehicle equipment *Continuous Supervision by TC/BC/VC and Convoy CDI
	Vehicle damage a personnel injury d rollover as a resul improper training, road hazards	ue to Catastrophic &	*TCs/BCs positively cor *Commanders, PLT LD rollover drills, ensure th *Crews brief and practic *Crews waer seathelts, prevent/minimize injuric *Brief crews of danger a rollovers could occur (st *Gear properly secured *Passage way to drivers emergency egress in M3	Rs schedule time for ey are conducted the rollover drills properly stow gear to is the rollower of the rollower eep grades, sharp turns) inside vehicles station kept clear for	MODERATE Catastrophic & Unlikely	*Convoy CDRs brief *Continuous Supervision by TC/BC/VC and Convoy CD/ *Verbal and Written Instructions (OPORD & brie
	Lack of Cold Wes training and PPE resulting in Injurio	Catastrophic &	and treatment *Leaders ensure soldiers cold weather clothing *PCI soldiers for proper *Use buddy system to he *Identify previous cold	elp monitor troops	MODERATE Catastrophic & Unlikely	OPORD Verbal Briefings Spot Checks & Continuous Monitoring for cold weather injuries

Page 1

5. Task	6. Identify Hazards	7. Assess Hazards	8. Develop Controls	9.Determine Residual Risk	10. Implement Controls
Move to and Occupy Range/ Move to Garrison at EOM (Continued)	Injuries due to rushing, inattention, shortcuts and "get home-itis" attitudes	HIGH Catastrophic & Seldom	*Keep soldiers informed on conduct of operations and next mission *Leaders control pace of operations and brief deployment and recovery plan timeline to troops *Deploy & Recover units in daylight hours if possible *Provide adequate time for deployment/recovery to garrison	MODERATE Catastrophic & Unlikely	*Continuous supervision by leaders *Conduct recovery plan to soldiers *Leaders control pace of recovery
Conduct Range Operations	Vehicle damage and personnel injury due to rollover as a result of improper training, road hazards	HIGH Catastrophic & Seldom	*TC«#DCs positively control movement *Crews brief and practice rollover drills *Crews wear seatbells, properly stow gear to prevent/minimize injuries *Brief crews of danger areas on range where rollovers could occur (steep grades, sharp turns) *Passage way to drivers station kept clear for emergency egress in M3s.	MODERATE Catastrophic & Unlikely	*Leader Checks *Rollover Drills *Verbal/Written Instructions
	Personal injury due to vehicle Fires	HIGH Catastrophic & Seldom	*Crews brief and conduct vehicle fire drills *Ensure crews are qualified/trained to use fire extinguishing systems in vehicles *Ensure Fire Extinguishers and systems serviceable on all vehicles, PMCS daily. **TC/BC/VC check fire extinguishers/systems	MODERATE Catastrophic & Unlikely	*Leader Checks *Fire Drills *Verbal/Written Instructions
	Injury/Accident due to poor personal conduct.	MODERATE Marginal & Occasional	Address "off limits" areas with all soldiers On ont allow horseplay! Do not allow sleeping under vehicles or in open areas, brief hazard to troops. Mark designated sleeping areas with engineer tape and chemsticks.	LOW Marginal & Seldom	*OPORD and briefings *Continuous supervision
	Loss of sensitive items	MODERATE Marginal & Occasional	*Ensure sensitive item accountability with daily checks by serial number. *Account for equipment at ENDEX	LOW Marginal & Seldom	*OPORD and briefings *Continuous supervision
Conduct Range Operations (Continued)	Inadequate training/supervision leading to range Accident	High Catastrophic & Seldom	Thorough Safety Briefings conducted at all ranges to include small arms *Tower OIC/NCOIC positively controls firing and movement *No horseplay tolerated on range *Weapons treated as loaded at all times, pointed up and down-range until rodded/cleared off range *Control ammo issue, accountability at all times	MODERATE Catastrophic & Unlikely	Range Safety Brief Positive control by Tower OIC/NCOIC Continuous Supervision

5. Task	6. Identify Hazards	7. Assess Hazards	8. Develop Controls	9.Determine Residual Risk	10. Implement Controls
	Lack of Crew education/experience leading to Air or Ground Accident during NVD Operations/Aircraft Midair collision, Wire Strike during Aircrew Training off Range Complex	HIGH Catastrophic & Seldom	*Conduct detailed planning, rehearsals and mission briefings regardless of crew experience. *Aricrews ensure wire hazards maps are updated conduct wire hazard recons per Bde SOP for ATM training flights *Crews briefed on division of attention/fixation tendencies during gunnery engagements (maintaining situational awareness) *Provide adequate aircraft separation in Holding Areas, Combat positions, Firing Positions to prevent midair collisions *Identify erew coordination responsibilities, especially during critical phases of the mission. *Crews PMCS NVGs/NVDs *Mark ground hazards in AO with chemlites if possible *Clean windshields/windscreens/door windows *Ensure supplemental IR lighting is operational on aircraft for night flights *Crews maintain situational awareness and commo during execution. *Ensure max crew coordination in searching out and call out wires/obstructions. *Conduct thorough hazard and obstacle briefing prior to range/FARP occupation. *Conduct thorough, detailed mission planning as a crew.	MODERATE Catastrophic & Unlikely	*Conduct pre-mission briefings *Continuous supervision of operations by leaders
	Improper HAZMAT transport/storage leading to a spill during range operations / refuel	MODERATE Critical & Seldom	*Transport HAZMAT IAW regulations *Ensure fuel cans properly stored in vehicles *Remove HAZMAT (DS2) cans from sides of vehicles. Minimize HAZMAT brought *Ensure spill kits brought, serviceable, stocked *Brisef soldiers on procedures/reporting a spill	LOW Critical & Unlikely	*Spot check loading/storage *Secure all HAZMAT loads *Minimize use when possible

Page 3

5. Task	6. Identify Hazards	7. Assess Hazards	8. Develop Controls	9.Determine Residual Risk	10. Implement Controls
Conduct Range Operations (Continued)	Lack of training/oversight leading to accident/fire at FARP or during Ground Refueling	HIGH Catastrophic & Seldom	*Ensure proper grounding and bonding used for all refuel operations. *Require frequent inspections for immediate correction of improper grounding points, deteriorated or leaking hoses, leaking nozzles, incorrect POL products, lack of PPE for refuel personnel, lack of water at refuel sites and unserviceable fire extinguishers. *Ensure that dirty nozzles or other dirty equipment does not contaminate fuel. *Probibit operation of radios' cellular phones within 100 feet of refuel points. *Require refuel/rearm personnel to conduct emergency fire/spill drills prior to re-fuel/re-arm operations. *Positive controls will be established to control which/ela/ircraft (traffic pattern) and pedestrian movement within the FARP. *Prior to initial operation the FARP will be certified by an ASO in conjunction with the 3/5 PLT LDRSGT. *CrewsFARP personnel use squadron rearm/refuel checklist and coordinate actions safety berefuel. a surveys	MODERATE Catastrophic & Unlikely	*FARP personnel / Aircrew safety briefings *Use of Thecklists (FARP Safety and Rearm/Refuel Checklists *Leader Checks
	Lack of training/oversight leading to accidental discharge, Rounds fired out of range boundaries	HIGH Catastrophic & Seldom	Conduct thorough range orientation briefing with all firing crews, emphasizing range limits *Enhance Range Limit Markers if difficult to see (Light' Heat) *Positive control of engagements from the tower *Crews read back range limits on occupation of firing points *TC*BC*VC*PC*PC**PC**PC**PC**PC**PC**PC**PC**	MODERATE Catastrophic & Unlikely	*Range Briefings *Range limit markers *Continuous supervision fro tower/Range OIC

5. Task	6. Identify Hazards	7. Assess Hazards	8. Develop Controls	9.Determine Residual Risk	10. Implement Controls
Conduct Range Operations (Continued)	Dry Range conditions leading to Fires	MODERATE Marginal & Occasional	*Coordinate for Bambi Bucket (helicopter slung water buckets) support if available (CH47 or UH60 units in theater) *Call "Cease Fire" to deal with range fires that appear to be spreading rapidly *Coordinate with KTC Fire Services for support if needed. Have phone numbers available. *Establish Fire Fighting details within the Squadron, equip with shovels, refillable water fire extinguishers to mop up small fires. *Limit MPSM, Illumination, and tracer fire if possible or conditions prove too dry. Modify gunnery tables as needed.	LOW Marginal & Seldom	*Coordination with Fire Dept. *Continuous Supervision by tower / Range OIC *Table modification (if needed)
Conduct Support Operations	Improper operation of Tent heaters leading to fires & carbon monoxide poisoning	HIGH Catastrophic & Seldom	Licensed operators only operate heaters *Clean stoves regularly *Fuel lines have loop in line outside to prevent fuel from running along hose into tents *Fire Extinguishers in each tent with a heater *Combustible materials 3 feet from heaters *Soldiers prohibited from sleeping in running vehicles *Adequate ventilation maintained in TOC when kerosene heaters are used. (flaps slightly open) *Kerosene heaters allowed to cool, then refueled outside tents *Fire Guards posted if personnel sleeping with heaters on	MODERATE Catastrophic & Unlikely	*Spot check heaters **License Operators *Safety Briefings
	Improper operation at MKT leading to injury (burns, cuts, strains, falls)	MODERATE Critical & Seldom	NCOIC ensures M2 burners and ranges lit and operated IAW operators manual "Only licensed operators on burners "Fire Extinguishers posted near burners "NCOIC provides safety brief to KP personnel highlighting hazards at MKT "Grease kept away from flames "Knives stowed properly "Floors kept clean to prevent slips & falls	LOW Critical & Unlikely	*Continuous supervision *Safety Briefings
11. MISSION / TASI IMPLEMENTED	K RISK AFTER CONTRO	OLS ARE	12. COMMAND REVIEW		IAND APPROVING ORITY
LOW MODE	RATE HIGH E	XTR. HIGH	John A. Incharge, COL, AV	Jessie K. S	econd, LTC, AV



The Road Rage Quiz

Are you ready to rumble? Have you been accused of being a "RAGER" on the road? Have those drives into work or school become increasingly colorful in language and have the old road signals turned into gestures of the most obscene kind?

If you have answered yes to any of these questions, maybe it's time for you to test your ROAD RAGE QUOTIENT.

That is, if you have the patience to sit for five minutes, get a piece of paper and answer the following questions. If this is too difficult...then quickly refer yourself to a clinic.

OK.... Ready? Start those engines....

- If you are driving in traffic in the fast lane and the person in front of you is driving the speed limit, do you:
 - a. slow down because you realize you are speeding
 - b. slow down, turn on your signals and move into the other lane, and eventually move back into the fast lane
 - c. tailgate the offender
 - d. turn on your high beams and honk your horn and tailgate
 - e. zip into the slow lane; then zip into the fast lane (while expressing your displeasure) and then slow down in front of the offender.
- You are in a parking lot looking for a parking space. You spot an empty place but there is Matt Damon standing in the middle of the space obviously saving the space for Ben Affleck, who is nowhere to be seen. Do you:
 - a. move on and look for another place
 - b. give him a dirty look and then move on
 - c. swear at him, telling him to "Go back to Hollywood!"
 - d. act like you are going to run him over
 - e. drive into the spot just missing him by an inch

You are stopped at a traffic light and the light has just turned green. The person in front of you is chatting on a cell phone. Do you:

- a. wait calmly, realizing that it will only be a second or two
- b. wait a second, put on your signals and move into another lane
- c. honk your horn and yell "Move it!"
- d. zoom up quickly behind the person, honking madly
- e. zoom up behind, swerve beside the person, ranting and raving then in the middle of the intersection slow down in front of the offender and then zoom off.

4

A person is tailgating you. Do you:

- a. as soon as it is safe, signal and pull into another lane
- b. continue on because you are going the speed limit
- c. stick your hand out the window and express your displeasure
- d. slow down even more and make it impossible for the offender to get into another lane
- e. slow down, then speed up, then slow down again and slam on the brakes.

5

When you are in your car how often are you ranting and raving:

- a. almost never
- b. occasionally
- c. most of the time
- d. 99% of the time
- e. 100% of the time in the car and 50% of the time outside of the car once you've reached your destination



Which of the following groups of people do you find have the worst driving skills:

- a. sorry I can't really categorize them
- b. people who drive for a living
- c. Sunday drivers
- d. Monday through Saturday drivers. Oh, and Sunday too.
- e. everyone but me

I find driving to be:

- a. fun and relaxing
- b. relaxing when I'm alone on the road, but nerve wracking in city traffic
- c. challenging but dangerous
- d. a good place where I can really let loose and express myself
- e. a place where I show the rest of the world what a great driver I am

My driving skills are:

- a. good
- b. great
- c. better than most on the road
- d. superior
- e. I am the best; no one comes close to my skill

You are driving down the road going your usual speed when you spot Tammy Faye Baker putting on her makeup. Do you:

- a. laugh and continue on your way.
- b. drive by and give her a dirty look
- c. speed past her and yell "Forget it it won't help"



- d. speed past her while yelling obscenities
- e. same as 'd' but also cut in front of her and slam on the brakes

- a. I like people
- b. I like some people
- c. Most people annoy me
- d. I like people when they are not around
- e. I like people once they're dead.

OK folks . . . time to tally up those numbers. Give yourself the following points for each letter

- For every "a" give yourself 0 points
- For every "b" give yourself 2 points
- For every "c" give yourself 3 points
- For every "d" give yourself 4 points
- For every "e" give yourself 5 points.

. . . add them up then check your point score and all will be revealed.

0-6 points	You are a saint. If everybody were like you, there would be world peace.
7-20 points	You have your good and bad days on the road. Overall you only suffer from mild road rage.
21-30 points	You can be seen by others as scary at times. Take up some form of sport to channel your energies.
31-40 points	You are dangerous. See a doctor. Now.
41-50 points	You have issues. See above.





OUR ARMY AT WAR

VI-G-04-0847

Be Safe. Make It Home.

